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PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:

Kazuhiro NISHIYAMA et al.

Serial No.: 10/089,888

Group Art Unit: 2871

Filed: April 5, 2002

For: LIQUID CRYSTAL ELEMENT, LIQUID CRYSTAL DISPLAY DEVICE, AND
METHOD FOR MANUFACTURING THE SAME

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Sir:

Pursuant to 37 C.F.R. §1.56, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached Form PTO-1449. Copies of each of the references listed on Form PTO-1449 are attached.

JP '323; JP '923; JP '012; JP '229; JP '915; JP '372; EP '613; JP '867; JP '391; JP '133; JP '020; JP '211; JP '435 and JP '297 were cited in an International Search Report filed on April 2, 2002 in the above application.

JP '867 corresponds to EP '613.

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DEP. ACCT. 16-0331
PARKHURST & WENDEL

JP '297 corresponds to U.S. '264.

JP '867 is discussed at page 1, 2 and 9 and JP '504 is discussed at page 9 of the present specification.

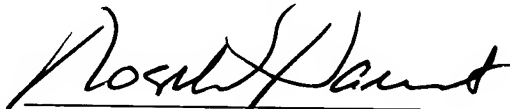
The above information is presented so that the Patent and Trademark Office may, in the first instance, determine any materiality thereof to the claimed invention. See 37 C.F.R. 1.104(a) and 1.106(b) concerning the PTO duty to consider and use any such information. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that these references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

Respectfully submitted,

PARKHURST & WENDEL, L.L.P.

June 10, 2003
Date

RWP/dlb



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FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)
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2871

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	6,154,264	11/28/2000	KOIDE et al.	349	113	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION NO YES
	59-226323	12/19/1984	JAPAN			Abstract
	06-235923	08/23/1994	JAPAN			Abstract
	05-265012	10/15/1993	JAPAN			Abstract
	11-119229	04/30/1999	JAPAN			Abstract
	04-319915	11/10/1992	JAPAN			Abstract
	06-222372	08/12/1994	JAPAN			Abstract
	EP 0 855 613 A2	07/29/1998	EUROPE			X
	10-206867	08/07/1998	JAPAN			X
	10-186391	07/14/1998	JAPAN			Abstract
	06-095133	04/08/1994	JAPAN			Abstract
	63-121020	05/25/1988	JAPAN			Abstract
	05-224211	09/03/1993	JAPAN			Abstract

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

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FOREIGN PATENT DOCUMENTS							
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION NO YES	
	10-319435	12/04/1998	JAPAN				Abstract
	10-39297	02/13/1998	JAPAN			X	
	07-199199	08/04/1995	JAPAN				Abstract
	07-159786	06/23/1995	JAPAN				Abstract
	09-269504	10/14/1997	JAPAN				Abstract
	60-175033	09/09/1985	JAPAN				Abstract
	02-277022	11/13/1990	JAPAN				Abstract
	07-084230	03/31/1995	JAPAN				Abstract
	07-306415	11/21/1995	JAPAN				Abstract
	08-094985	04/12/1996	JAPAN				Abstract
	09-061833	03/07/1997	JAPAN				Abstract
	09-101527	04/15/1997	JAPAN				Abstract

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FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION NO YES
	10-003085	01/06/1998	JAPAN			Abstract
	10-170890	06/26/1998	JAPAN			Abstract
	10-186386	07/14/1998	JAPAN			Abstract
	10-339883	12/22/1998	JAPAN			Abstract
	11-002825	01/06/1999	JAPAN			Abstract
	11-084336	03/26/1999	JAPAN			Abstract
	2000-036520	02/02/2000	JAPAN			Abstract
	05-307160	11/19/1993	JAPAN			X
	05-297383	11/12/1993	JAPAN			Abstract

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